

Trial

Suite: The Stone-Like

by Arya Akhavan (June 2015)

Angles for R.I. = 1.540

57 + 12 girdles = 69 facets

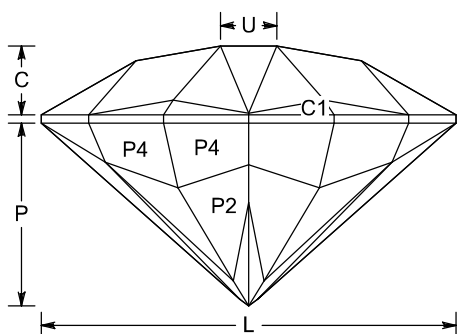
2-fold, mirror-image symmetry

96 index

L/W = 1.174 T/W = 0.276 U/W = 0.159

P/W = 0.516 C/W = 0.195

Vol./W³ = 0.257



PAVILION

P1	42.50°	20-28-68-76	Cut to centerpoint.
P2	42.32°	02-14-34-46- 50-62-82-94	Meet at culet.
G1	90.00°	16-32-64-80	Set stone length.
G2	90.00°	05-11-37-43- 53-59-85-91	Meet P1, P2, G1
P3	64.61°	16-32-64-80	Level girdle.
P4	66.16°	05-11-37-43- 53-59-85-91	Level girdle.
P5	41.80°	01-15-33-47- 49-63-81-95	Meet P1, P2, P3, P4

CROWN

C1	38.05°	05-11-37-43- 53-59-85-91	Set girdle width.
C2	33.34°	16-32-64-80	Level girdle.
C3	30.54°	04-12-36-44- 52-60-84-92	Meet G2, C1; C1, C3
C5	28.18°	96-48	Meet G2, C1, C4
C6	10.00°	24-72	Meet C2, C3; C3, C4, C5
T	0.00°	Table	Meet C3, C4, C5, C6

I don't even remember what design I rotated and mirrored and other wise mutated to get this design, but I really like how it turned out. You can clearly see the influence of at least some kind of Tessellation design in there, with the regular squares and triangles. Should be very easy to cut as well. Works in materials from quartz to corundum (RI = 1.54 - 1.76) with no changes, but can be scaled for higher RIs.

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